



# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

सं० ३] नवी दिल्ली, शनिवार, जनवरी १५, २००० (पौष २५, १९२१)  
No. 3] NEW DELHI, SATURDAY, JANUARY 15, 2000 (PAUSA 25, 1921)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह असंग संकलन के रूप में रखा जा सके  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

### भाग III—खण्ड २ (PART III—SECTION 2)

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
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Calcutta, the 15th January 2000

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bose Road, Calcutta-700 020.

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## पेटेंट कार्यालय

एकस्व तथा अभिकल्प

कलकत्ता, दिनांक 15 जनवरी 2000

पेटेंट कार्यालय के कार्यालयों के पते एवं अधिकारी

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा मुख्यालय, दिल्ली एवं चैन्सी में इसके शाखा कार्यालय हैं। रेजनके प्रादौरीक अधिकारी जान के आधार पर निम्न रूप में शार्फित हैं :—

पेटेंट कार्यालय शाखा, टॉडी इस्टर्ट, तीर्था तल, लोअर परले (प.), मुम्बई-400 013.

जगन, महाराष्ट्र, मध्य प्रदेश तथा गोआ राज्य क्षेत्र एवं मध्य शासित क्षेत्र, दमन तथा दीव एवं दादर और नगर हवेली।

तार पता—“पेटेंटिफिक्स”

फोन 4825092 फैक्स : 0224950622

पेटेंट कार्यालय शाखा, एकक सं. 401 में 405, हीसरा तल जगन्नान्तिका बाजार भवन, मरुबनी मार्ग, करोल बाग, नड़े दिल्ली-110 005

हरिहरा, हिमाचल प्रदेश, जम्मू नगर कहमीर, पंजाब, राजस्थान, उत्तर प्रदेश तथा दिल्ली राज्य और्जों पांच मध्य शासित क्षेत्र चंडीगढ़।

तार पता—“पेटेंटिफिक्स”

फोन : 5782532 फैक्स : 011-5766204

## CORRIGENDUM

In the Gazette of India, Part-III, Sec. 2 dated 17th July, 1999, In page—622, Col. 2 for application for Patent No. 524/Bem/95 (182787) filed on 15th December, 1995. The following lines have been printed twice “Which is further dissolved in 50-60 liters of water and stirred well” out of which one to be deleted.

## APPLICATION FOR THE PATENT FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700020

The dates shown in the crescent bracketed are the dates claimed under section 135, under Patent Act, 1970.

08-11-1999

889/Cal/99 HSU Tien-Lung. “A hydraulic power conversion device”

09-11-1999

890/Cal/99 Thomson Multimedia, “Protection circuit for a switched-mode power supply”. (Convention No 98121390.3 on 11-11-98 in EPO).

पेटेंट कार्यालय शाखा, विंग सी (सी-4, ए), तीर्था तल, गजाजी भवन, बसन्ने नगर, चैन्सी-600090।

आनंद प्रदेश, कर्नाटक, कोरल, तीर्मलनाड़ु तथा पांडिचेरी राज्य क्षेत्र एवं मध्य शासित क्षेत्र, लक्षद्वीप, मिनिकाय तथा पर्मानिदिवि द्वीप।

तार पता—“पेटेंटिफिक्स”

फोन : 4901495 फैक्स : 044-4901492

पेटेंट कार्यालय (प्रधान कार्यालय) निजाम पैलेस दिल्ली राज्य कार्यालय भवन, 5, 6 तथा 7वां तल, 234/4 आचार्या जगदीश बोस मार्ग, कलकत्ता-700 020

भारत का अवशेष क्षेत्र।

तार पता—“पेटेंटिस”

फोन : 247 4401 फैक्स : 033247 3851

पेटेंट कार्यालय का कलकत्ता स्थित प्रधान कार्यालय पेटेंट महाराष्ट्र मंथि के अधीन अन्तरराष्ट्रीय आवेदनों के लिए रिसीविंग कार्यालय, इलेक्ट्रो कार्यालय व डोमेस्टिक कार्यालय है।

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम, 1999 अथवा पेटेंट (संशोधन) नियम, 1972 द्वारा उपर्युक्त सभी आवेदन, सचिनाएं, विवरण या अन्य दस्तावेज या कोई फैस पेटेंट कार्यालय के केवल समर्चित कार्यालय में ही ग्रहण किए जाते हैं।

जल्क शुल्कों की अदायगी या तो नकद की जागी अथवा जहां उपयुक्त कार्यालय अट्रिस्थित है, उस स्थान के अन्तर्भृत वैक में प्रियंक को भगतान योग्य बैंक ड्राइट अथवा चैक द्वारा की जा सकती है।

891/Cal/99. SUD Chemie MT S.R.L., “Catalyst for the oxichlorination of ethylene to 1, 2-dichloroethane”.

10-11-1999

892/Cal/99. Yun Mevong Hvek. Air flow switching type air conditioner for both cooling and heating”.

893/Cal/99. Suzuki Motor Corporation, “Cooling water system for internal combustion engine”. (Convention No 10-377548 on 29-12-1998 in Japan).

894/Cal/99 Walter AG., “Precision millingcutter equipped with cutting tips” (Convention No. 19855045.6 on 28-11-98 in Germany).

11-11-1999

895/Cal/99. Deutsche Thomson-Brandt GMBH. “Mains filter”. (Convention No 19853510.4 on 20-11-98 in Germany).

896/Cal/99 Eaton Corporation. “Idle drive torque control for automated vehicle master”. (Convention No. 195.093 on 18-11-98 in USA).

897 Cal/99 Tutzschler GMBH &amp; Co KG. “Feeding device for advancing fiber material to a fiber processing machine”. (Convention No 19855571.7 on 2-12-98 in Germany).

12-11-1999

898/Cal/99. Srimati Indira Roy, "A process of preparing a homeopathic medical preparation for the treatment of giardiasis".

899/Cal/99. Graf & Cie AG, "Method of operating a card and a card flat for carrying out the method". (Convention No. 19854194.5 on 24-11-98 in Germany)

15-11-1999

900/Cal/99. Nippon Shokubai Co., Ltd., "Method for the production of a carrier for catalyst for use in production of ethylene oxide, catalyst for use in production of ethylene oxide, and method for production of ethylene oxide". (Convention No. 10-326516 on 17-11-1998 in Japan).

901/Cal/99. Fujitsu General Limited, "Air conditioner". (Convention Nos. 10-330431 on 20-11-1998, 11-57808 on 05-03-1999 & 11-302339 on 25-10-1999 in Japan).

902/Cal/99. Siceram GMBH, "An electric hob". (Convention No. 19855481.8 on 1-12-98 in Germany).

903/Cal/99. Engelhard Corporation, "A process for treating a gas stream".

16-11-1999

904/Cal/99. Siceram GMBH, "An electric continuous flow heater and a method for its manufacture". (Convention No. 19856087.7 on 4-12-98 in Germany).

905/Cal/99. Patent-Treuhand-Gesellschaft Fur Elektrische Gluehlampen MBH, "Electric lamp and an illuminating system having such an electric lamp". (Convention No. 19855265.3 on 1-12-98 in Germany).

906/Cal/99. Biman Kumar Dutta, "Engine power total combustion technology".

17-11-1999

907/Cal/99. Patent-Treuhand-Gesellschaft Fur Elektrische Gluehlampen MBH, "Electric lamp". (Convention No. 19855412.5 on 1-12-98 in Germany).

908/Cal/99. Patent-Treuhand-Gesellschaft Fur Elektrische Gluehlampen MBH, "Electric lamp". (Convention No. 19855411.7 on 1-12-98 in Germany).

909/Cal/99. Samsung Electronics Co., Ltd., "Handoff using dedicated control channel in cdma communication system". (Convention No. 49862/1998 on 17-11-1998 in Korea).

910/Cal/99. Samsung Electronics Co., Ltd., "Channel spreading device and method for cdma communication system". (Convention Nos. 49863/1998 on 17-11-1998 & 50278/1998 on 23-11-1998 in Korea).

18-11-1999

911/Cal/99. Kawasaki Steel Corporation, "Reversing cold rolling apparatus".

19-11-1999

912/Cal/99. Mukherjee Aloke Kumar, "A device for preventing theft of any automobile having conventional clutch, brake & accelerator paddles".

913/Cal/99. Thomson Multimedia, "Process for converting an analogue signal into a rectangular signal and device for implementing this process". (Convention No. 9815055 on 30-11-98 in France).

## COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of a patent on any of the applications concerned, may, at any time within four months from the date of this issue or within such further period not exceeding one month if applied for on Form 4 prescribed under the Patent (Amendment) Rules, 1999 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office on the prescribed Form 7 of such opposition. The written statement of opposition should be filed in duplicate alongwith evidence, if any, with said notice or within sixty days of its date as prescribed in Rule 36 as amended by the Patents (Amendment) Rules, 1999.

The Classification given below in respect of each specification are according to Indian Classification and International Classification Systems.

Printed copies of the specification and drawings, if any, can be supplied by the Patent Office or its branch offices on payment of prescribed charges of Rs. 30/- each.

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## स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि संबद्ध आवेदनों में से किसी पर पेटेंट अनुदान के विरोध करने के इच्छुक व्यक्ति, इसके नियम की तिथि से चार (4) महीने या अधिक एसी अवधि औ उक्त चार (4) महीने की अवधि की समाप्ति के पूर्व, पेटेंट (संशोधन) नियम, 1999 के तहत विविहत प्रूप 4 पर अग्र आवेदित हो, एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक एकस्व के उपयुक्त कार्यालय में एसे विरोध को सूचना नियहत प्रूप 7 पर दे सकते हैं। विरोध संबंधी लिखित वकाल्य वा प्रतियों में साक्ष्य के साथ, यदि कोई हो, उक्त सूचना के प्राप्त या पेटेंट (संशोधन) नियम, 1999 द्वारा संशोधित नियम-36 के हहत यथाविहित उक्त सूचना के तिथि से 60 दिन के भीतर फार्मल कर दिए जाने चाहिए।

प्रत्येक विनिर्देश के संदर्भ में नीचे विय बर्गीकरण, प्रारंभी बर्गीकरण तथा अन्तर्वर्षीय बर्गीकरण के अनुकूल है ॥

विनिर्देश तथा चित्र आरेख, यदि कोई हो, की अंकित प्रतियों की आपूर्ति पेटेंट कार्यालय या उसके शास्त्र कार्यालयों द्वारा विविहत 30 रुपए प्रति का अदायगी पर की जा सकती है।

ऐसी परिस्थिति में जब विनिर्देश की अंकित प्रति उपलब्ध नहीं हो, विनिर्देश तथा चित्र आरेख, यदि कोई हो, की फार्म प्रतियों की आपूर्ति पेटेंट कार्यालय या उसके शास्त्र कार्यालयों से यथाविहित फार्मप्रति शुल्क उक्त दस्तावेज के 10 रुपए प्रति पृष्ठ तथा 30 रुपए की अदायगी पर की जा सकती है।

Cl. : 5 C

183461

Int. Cl. A 01 D 34/00

## AN IMPROVED LAWN MOWER.

Applicant: INDIAN INSTITUTE OF TECHNOLOGY,  
OF KHARAGPUR-721 302, INDIA.

Inventor: VIRENDRA KUMAR TEWARI.

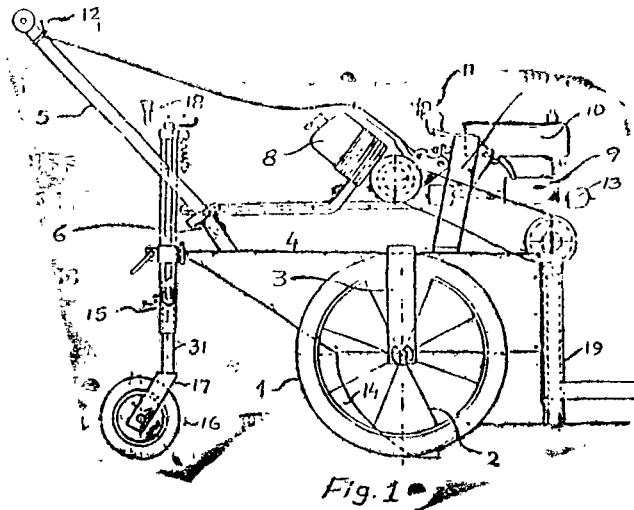
Application No. 756/Cal/95 filed on 4th July 1995.

Appropriate Office for Opposition Proceedings (Rule 4,  
Patent Rules, 1972), Patent Office, Calcutta.

## 8 Claims

An improved lawn mower of the kind described herein,  
comprising:a supporting main platform;  
ground wheels located under and towards a front portion  
of the said main platform and held between wheel guides  
secured to said platform;tail wheel located under and towards the rear end portion  
of said main platform;a vertical frame structure extending downwards adjacent  
to and secured to the front face of said main platform pro-  
vided to hold a cutter assembly;said cutter assembly comprising a pair of shafts operatively  
connected to one another via a pair of meshing gears with  
cutter blades provided at the lower end of one said shaft  
facing the ground, said shafts operatively connected to a  
power unit, said cutter blades housed in a safety cover;means for adjustment of height of cutter blades of said  
cutter assembly by angular tilting motion of said main plat-  
form and consequent up or down motion of the vertical  
frame holding said cutter assembly;a guard flap extending downwards from said main plat-  
form to a position below said cutter blades and positioned  
behind said cutter blades; and

an adjustable inclined handle.



Compl. Specn. 08 pages

Drgns. 01 sheet.

Cl. : 206-E

183462

Int. Cl. : H 05 -K 1/02, 7/02.

## PRINTED CIRCUIT BOARD FOR CONNECTORS.

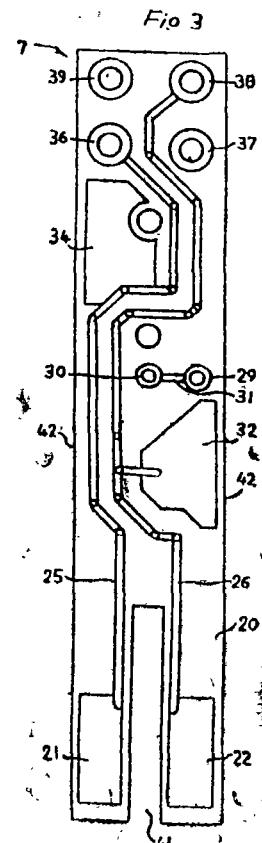
Applicant: KRONE AKTIENGESELLSCHAFT, OF  
14167 BERLIN-ZEHLENDORF, GERMANY.

Inventor: DR WALTER KERNDLMAIER.

Application No. 636/Cal/95 filed on 5th June, 1995.  
Convention No. G9412794.8 on 9-8-94 in Germany).Appropriate Office for Opposition Proceedings (Rule 4,  
Patent Rules, 1972), Patent Office, Calcutta.

## 8 Claims

Printed circuit boards for connectors in symmetrical communications and data systems engineering distribution systems, comprising a pair of substantially parallel circuit board tracks on a front face thereof arranged substantially congruently with a pair of substantially parallel circuit board tracks of a back face of the printed circuit board, said circuit board tracks deviate towards the outer edge of printed circuit board after running approximately one third of their lengths, and wherein one of said pair of tracks on the back face crosses over the other track of the pair after traversing about half of its length by means of two through-hole platings, which are electrically inter-connected on the front face through an interconnecting circuit board track, thereby balancing the cross-talk between said front face and back face.



Compl. Specn. 13 pages

Drgns. 02 sheets.

Cl. : 40 B

183463

Int. Cl. : C 08 F 2/00

"THE PROCESS FOR THE POLYMERISATION OF  
OLEFINS".Applicant: MONTELL TECHNOLOGY COMPANY  
BV, HOEKSTEEN 66, 2132 MS HOOFDORP, THE  
NETHERLANDS.Inventors: MARIO SACCHETTI, STEFANO PASQUALI,  
GABRIELE GOVONI.

Application No. 765/Cal/95 filed on 5th July, 1995.

Appropriate office for opposition proceedings (Rule 4, Patents Rule—1972) The Patent Office, Calcutta.

## 21 Claims

Process for the polymerization of olefins  $\text{CH}_2=\text{CHR}$ , where R is hydrogen or an alkyl, cycloalkyl or aryl radical having 1—10 carbon atoms, wherein said polymerization is carried out in the presence of a catalyst which is a reaction product of a solid component (A) and a trialkyl-Al compound (B) such as hereinafter defined; wherein :

said solid component (A) comprises the contact product of :

- (a) a compound of a transition metal M chosen among Ti, V, Zr and Hf containing at least one M- $\pi$  bond with a solid component comprising a compound of Ti or V not containing M- $\pi$  bonds and optionally an electron-donor compound, which are supported on a Mg halide, or
- (b) a compound of Ti or V not containing M- $\pi$  bonds with a solid component comprising a compound of V, Ti, Zr or Hf containing at least one M- $\pi$  bond with a support comprising a Mg halide,
- (c) a compound of Ti or V not containing M- $\pi$  bonds and a compound of V, Ti, Zr or Hf having at least one M- $\pi$  bond with a support comprising a Mg halide,

the component (a) and (b) and the support as in (c) being characterized in that they possess a porosity (determined with the mercury porosimeter, corresponding to pores with radius up to  $10000 \text{ \AA}^0$ ) greater than  $0.3 \text{ cm}^3/\text{g}$ ;

- said trialkyl-Al compound (B) comprises a trialkyl-Al compound wherein the alkyl groups have from 1 to 12 carbon atoms and linear or cyclic aluminoxane compounds containing the repeating unit  $-\text{R}_1\text{AlO}$ , in which  $\text{R}_1$  is an alkyl group with 1—8 carbon atoms or a cycloalkyl or aryl group with 6—10 carbon atoms and containing from 1 to 50 repeating units.

(Compl. Specn. : 46 pages;

Drgns. : Nil)

Cl. : 39 B, E

183464

Int. Cl. : C 01 F 5/14

— “A PROCESS FOR PRODUCING A STABLE, PUMPABLE SLURRY OF MAGNESIUM HYDROXIDE”.

Applicant : ORICA AUSTRALIA PTY LTD. OF 1 NICHOLSON STREET, MELBOURNE, VICTORIA 3000, AUSTRALIA.

Inventors :

HALIL ARAL  
RICHARD MARTIN HOUCHIN  
ROBIN PHILLIP STRODE,  
VAN ROBERT MERKESTEIN  
BUSH PHILIP

Application No. 830/Cal/95 filed on 20th July, 1995.

(Convention Nos. PM 7059 & PN 0270 on 25-7-94 & 22-12-94 in Australia).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule—1972) The Patent Office, Calcutta.

## 31 Claims

A process for producing a stable, pumpable slurry of magnesium hydroxide comprising adding to a slurry of magnesium hydroxide having a solids content or between 40—80% based on the weight of the slurry with the balance

being water, 0.01—5.0 wt% of at least one viscosity modifying agent excluding polymeric viscosity modifying agents, said agent being selected from a group consisting of the following groups :

- (1) inorganic acids having a molecular weight of less than 130 amu and their inorganic salts excluding  $\text{H}_2\text{SO}_4$ ,  $\text{H}_3\text{PO}_4$ , silicic acid and salts having an alkali metal as sole cation;
- (2) low molecular weight (i.e. less than 200 amu) carboxylic acids optionally containing one or more hydroxyl groups and their inorganic salts excluding salts having alkali metal as sole cation;
- (3) polyhydric alcohols or carbohydrates containing two or more hydroxyl groups and having a molecular weight less than 500 amu; and
- (4) alkaline earth oxides and/or hydroxides, whereby after addition of said at least one viscosity modifying agent the magnesium hydroxide slurry has a maximum viscosity of 1000 cP at a shear rate of  $139 \text{ sec}^{-1}$  and is sedimentation stable for at least seven days without substantial agitation.

(Compl. Specn. : 48 Pages;

Drgns. : 5 Sheets)

Cl. : 32 C

183465

Int. Cl. : C 07 B 63/02

PROCESS FOR PURIFYING ANY ORGANIC COMPOUND CONTAMINATED WITH HEAVY METALS.

Applicant : ZAMBON GROUPS S.P.A., OF VIA DELLA CHIMICA 9; 36100 VICENZA; ITALY.

Inventors :

(1) MARCO VILLA  
(2) VINCENZO CANNATA  
(3) ALESSANDRO ROSI AND  
(4) PIETRO ALLEGRENI.

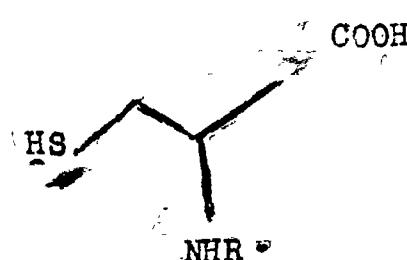
Application No. 859/Cal/98 filed on 13th May, 1998 (Convention No. Nil on 13th May, 1997 in Italy).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims

A process for purifying any organic compound contaminated with heavy metals by removing as impurity said heavy metals therefrom to obtain purified organic compounds characterised in that comprises the steps of :

- (a) forming a solution of the contaminated organic compound in a solvent immiscible with water;
- (b) treating said solution with aqueous solution of a cysteine derivative of formula (I)



wherein

R is hydrogen atom, a linear or branched  $\text{C}_1\text{-C}_6$  acyl group or a benzoyl group, the concentration of the aqueous solution being between 5% and 70% w/w and the molar amount of compound (I) being from 1 : 1 to 100 : 1 with respect of the content of heavy metal; and optionally

- (c) further treating said solution with a basic aqueous solution comprising an ammonia aqueous solution.

(Compl. Specn. 12 Pages;

Drgns. Nil.

Cl. : 155A

183466

Int. Cl. : C 03 C 25/02,  
C 03 37/01 &  
D 06 M 11/15.

**A GLASS FIBER BUNDLE TO BE USED FOR REINFORCING POLYOLEFIN.**

Applicant : PPG INDUSTRIES, INC., OF ONE PPG PLACE, PITTSBURGH 22 PA 15272, UNITED STATES OF AMERICA.

Inventors : (1) PHILIP L. SCHELL AND  
(2) LAURA A. MEESTERS.

Application No. 261/Cal/95 filed on 10th March, 1995.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

**8 Claims**

A glass fiber bundle to be used for reinforcing polyolefin wherein each glass fiber has applied to at least a portion of the fiber a thin film of sizing composition comprising :

about 1 to about 30 weight percent of one or more organofunctional silane coupling agents, hydrolysis products or a mixture thereof as herein described;  
about 50 to about 90 weight percent of a polyolefin compatible film former as herein described;  
about 1 to about 90 weight percent of at least one stabilizer selected from the group comprised of (1) alkali metal and alkaline earth metal and 13 ammonium, phosphates, hypophosphites, sulfites and bisulfites and organic phosphinates and/or phosphites, and mixtures thereof and (2) mixtures with other types of antioxidants selected from the group consisting of hindered phenols, diarylamines, thioethers, in an effective stabilizer amount;  
optionally carboxylic acid as herein described in an amount sufficient to hydrolyse the silane;  
optionally about 1 to about 10 weight percent of a partial ester of a branched carboxylic acid polymer; and  
carrier in an effective amount.

Compl. Specn. 28 pages

Drgns. Nil sheets

Cl. : 127 F

183467

Int. Cl. : F 16 H 29/00.

**AN IMPROVED PLANETARY GEAR FOR USE IN A PLANETARY GEAR DRIVE.**

Applicant : MITSUBISHI DENKI KABUSHIKI KAISHA, OF 2-3, MARUNOUCHI 2-CHOME, CHIYODA-KU, TOKYO 100, JAPAN.

Inventor : KAZUHIRO NOBUSAWA.

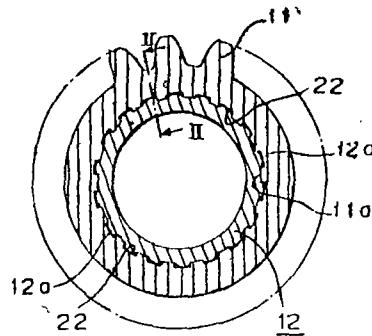
Application No. 866/Cal/95 filed on 27th July, 1995.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

**4 Claims**

An improved planetary gear for use in a planetary gear drive of an internal reduction gear type starter, said planetary gear having a press-fit hole for a sintered oil-retaining bearing to be pressed into said press-fit hole, of the hole characterised in that said press-fit hole of the planetary gear has an internal peripheral surface provided with a plurality of grooves, said grooves being formed at intervals to extend to a midway point in the axial direction of the hole.

**FIGURE**



Compl. Specn. 10 pages

Drgns. 03 sheets

Cl. : 136 A

183468

Int. Cl. : B 29 D 7/01

**A PERFORATED THERMOPLASTIC FILM.**

Applicant : TREDEGAR INDUSTRIES, INC., OF 1100 BOULDERS PARKWAY, RICHMOND, VIRGINIA 47803, UNITED STATES OF AMERICA.

Inventor : MICHAEL ALLEN FRANCIS.

Application No. 893/Cal/95 filed on 1st August, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

**13 Claims**

A perforated thermoplastic film (54) having a first surface (59), a second surface (64) that is spaced apart from said first surface (59), and a plurality of perforations (52) extending through said film (54), each said perforation (52) forming a capillary (55) defined by a side wall (62) that extends from said second surface (64), characterised in that said capillaries are disposed at an angle of from about 5° to about 60° with respect to a plane (47) that is perpendicular to said first surface (59), and the side wall of each to said capillaries (55) extends at least across the associated perforation (52) in said film (54) as viewed perpendicular to said first surface (59).

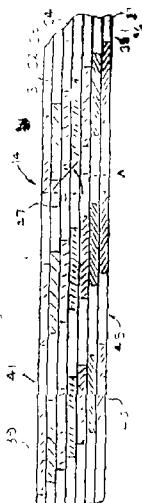


FIG. 5

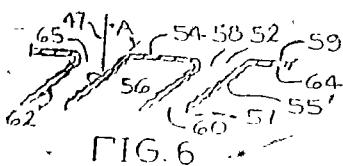


FIG. 6

Compl. Specn. 21 pages

Drgns. 10 sheets

Ind. Cl. : 155 F

183469

Int. Cl. : B 27 N 3/06.

**A PROCESS FOR MANUFACTURING A COVERED PARTICLE BOARD.**

Applicant : PATENTES Y. NOVEDADES, S.L., OF PASSEIG DE SANT JOAN 15, 08010-BARCELONA, SPAIN.

Inventor : LUIS EEK-VANCELLS.

Application No. 975/Cal/95 filed on 21st August, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office, Calcutta.

7 Claims

A process for manufacturing a covered particle board, particularly board having a thickness of from 10 to 40 mm, and having two main opposite surface layers of a surface density in excess of 800 kg/cu. m and a face strength ranging from 8 to 12 kg/sq. cm, said covering comprising, for each surface, a first sheet of paper in contact with the layer and a second sheet of paper applied over said first sheet, said process comprising a pressing step, characterised in that it comprises the following steps,

- A. providing first sheets of paper weighing between 60 and 180 g/sq. m;
- B. providing a first aqueous resin with a solids content of 30 to 60 wt% of urea-melamine-formaldehyde resin of low degree of condensation, from 4 to 10 wt% of a plasticizer selected from the family of the sulphonamides or the polyglycols such as herein described, from 0.3 to 1 wt% of a wetting agent of the family of the surfactants such as herein described, from 0.5 to 3 wt% of an acid catalyst such as herein described, and from 0.5 to 1 wt% of a mould stripping agent such as herein described;
- C. impregnating said first sheets with said first aqueous resin, until said first sheets have a resin solids content of 45 to 60 wt% and a volatiles content of 5 to 7 wt%;
- D. providing second sheets of paper;
- E. providing a second aqueous resin having a solids content of from 30 to 60 wt% of urea-melamine-formaldehyde resin of low degree of condensation, from 0 to 8 wt% of a plasticizer selected from the family of the sulphonamides or the polyglycols such as herein described, from 0.1 to 1 wt% of a wetting agent of the family of the surfactants such as herein described, from 0.2 to 2 wt% of an acid catalyst such as herein described, and from 0.1 to 1 wt% of a mould stripping agent such as herein described;
- F. impregnating said second sheets with said second aqueous resin, until said second sheets have a resin solids content of 30 to 60 wt% and a volatiles content of 5 to 7 wt%;
- G. forming an ensemble comprising successively a first sheet of paper, a second sheet of paper, a board, a second sheet of paper and a first sheet of paper; and

II pressing said ensemble, applying a specific pressure ranging from 20 to 30 kg/sq. cm, the press surface being in contact with the ensemble at a temperature ranging from 130 to 180°C, for a period of time ranging from 30 to 80 seconds.

Compl. Specn. 11 pages;

Drgns. Nil.

Ind. Cl. : 128 (E)

183470

Int. Cl. : H 01 R 3/00.

**A RETRACTABLE MULTIPLE ELECTRODE RF TISSUE ABLATION APPARATUS.**

Applicant : ZOMED INTERNATIONAL, INC., OF 967 NORTH SHORELINE BOULEVARD, MOUNTAIN VIEW, CALIFORNIA-93043, UNITED STATES OF AMERICA.

Inventors : STUART D. EDWARDS RONALD G. LAX, HUGH SHARKEY

Application No 1522/Cal/95 filed on 27th November, 1995.

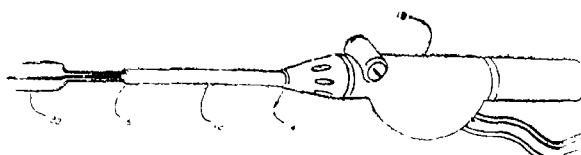
Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office, Calcutta.

26 Claims.

A retractable multiple electrode RF tissue ablation apparatus, comprising :

a delivery catheter with a distal end and a proximal end; a handle attached to the proximal end of the delivery catheter; and

a removable electrode deployment device positioned at least partially in the delivery catheter and including a selectable plurality of retractable electrodes, each electrode having a non-deployed state when positioned within the delivery catheter, and a distended deployed state when advanced from the distal end of the delivery catheter defining an ablation volume between the deployed electrodes each deployed electrode having at least two curved sections, one extending beyond the preceding one with two radii of curvature when advanced through the distal end of the delivery catheter and positioned at a desired tissue site.



Compl. Specn. 24 pages,

Drgns. 21 Sheets.

Ind. Cl. 127 I Gr. [LXV (I)].

183471

Int. Cl. : G 05 G-15/00, 19/00, 23/00

**AN IMPROVED INSTANT AUTO RETRACTING AND POSITIONING DEVICE FOR MACHINES.**

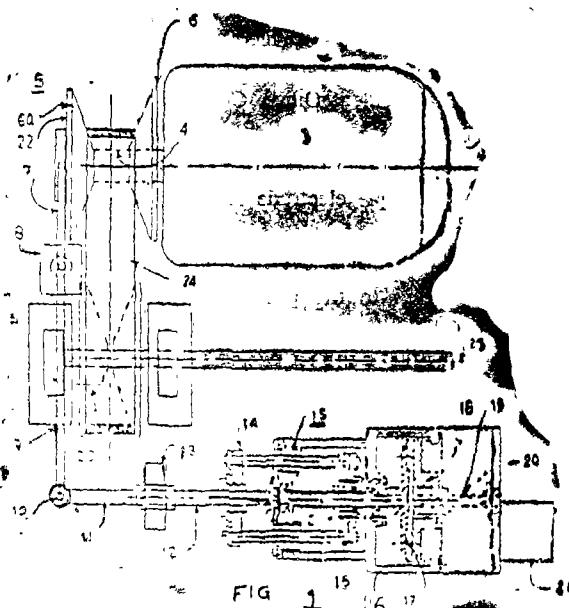
Applicant & Inventor : MAHENDRA VASANT SAPRE 12, L.I.C. COLONY, PAUD ROAD, PUNE-411 038, MAHARASHTRA, INDIA AN INDIAN NATIONAL.

Patent Application No. : 168/Bom/95 file don 07-04-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch Mumbai-400 013

## 2 Claims

1. An improved instant auto retracting and positioning device for machines that require precise positioning of their components or assembly for controlling their operation when working and auto retraction to reference position when power is switched off, comprising reversible servomotor mounted on a low efficiency reduction gear assembly, an output shaft of said reduction gear provided with clutch means engaged or disengaged to a high efficiency lead screw mounted in a housing with bearings at either end to prevent axial movement but allow rotational movement of said lead screw, a flanged nut assembly mounted on the said lead screw, the pitch of said nut corresponding to those on the said lead screw, a linear actuating means comprising tie rods guided in linear bushes fixed in casing at the end of the said housing to prevent rotation of the tie rods the said tie rods are connected to the said flanged nut at one end and the output flange at the other end



(Compl. Specn. : 9 Pages;

Drwgn. : 1 Sheet)

Ind. Cl. : 129 J Gr. (XXXV).

183472

Int. Cl. : B 21 B-1/16, 1/401.

**A PROCESS AND AN APPARATUS FOR PRODUCING STRIPS FROM HOT ROLLED ROD.**

Applicants : FINTUBE LIMITED PARTNERSHIP AT 4150 SOUTH ELWOOD TULSA, OKLAHOMA 74107-5822, U.S.A. A U.S. FIRM.

Inventors :

1. JERRY E. RYAN
2. JAMES C. MCREYNOLDS
3. THOMAS J. BUTCHKO

Patent Application No. : 175/Bom/95 filed on 17-04-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Mumbai-400 013.

## 13 Claims

1. A process for producing a strip from a hot rolled rod comprises the steps of—

passing the said rod through a plurality of rolling mills in series and

cooling the said rod on exit from each of the said rolling mills in the form of strip

(Compl. Specn. : 15 Pages;

Drwgn. : 2 Sheets)

IN Cl. : 194, 31B

183473

Int. Cl. : HO 1 J 61/00

**IMPROVED COMBINATION CHOKE FOR GAS DISCHARGE LAMPS.**

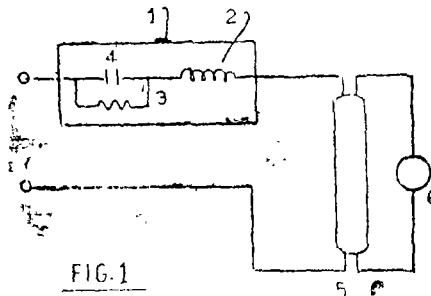
Applicant & Inventor : JEEVEN VISHNU APTE, FLAT NO. 57, BLDG. NO. 1, UMA SHANKAR HOUSING SOCIETY S. NO. 642/1/6 BIBEWADI, PUNE-411 037, MAHARASHTRA STATE, INDIA.

Application No. : 204/BOM/1995 FILED APRIL 27, 1995.

Appropriate Office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Mumbai-400 013.

## 2 Claims

1. An improved combination choke for gas discharge lamp comprising capacitor and inductor coil in series with a shunted resistor across the said capacitor.



Complete Specifications : 5 Pages

Drawings : 2 Sheets

Ind. Cl. : 13D Gr. [XL(1)] &

183474

76E Gr. [LXIV(4)]

Int Cl. : A45C. 3/02

**A CARRY CASE.**

Applicants : PRIMA PLASTIC LIMITED OF NATIONAL HOUSE, OPP. SAKINAKA POLICE STATION, SAKI VIHAR ROAD, POWAI, MUMBAI-400 072, MAHARASHTRA, INDIA AN INDIAN COMPANY.

Inventor : MAWHAL VRAJLAL PAREKH

PATENT APPLICATION No. 221/BOM/95 FILE ON 15-05-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Mumbai-400 013.

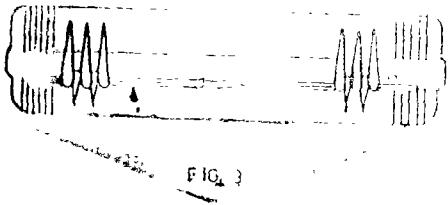
## 4 CLAIMS

(1) A carry case comprising

a rigid lid moulded of synthetic polymeric materials; a base compartment moulded of synthetic polymeric material characterised in that;

complementary engaging formations integrally moulded on the rear of the said lid and the said base compartment respectively which permit the lid to removably engage the base compartment at the rear and permit the lid to swivel in relation to the base compartment in the engaged configuration, so as to cover the base compartment; and complementary securing formations integrally moulded on the

front of the lid and the base compartment which permit the lid to be detachably secured to the base compartment in the said engaged configuration of the lid and the base compartment.



Complete Specification : 10 Pages

Drawings : 3 Sheets

Ind. Cl. : 23 A [XL(3)]

183475

Int. Cl. : B 65 B, 47/04

**APPARATUS FOR OPERATING ON A PARTLY ERECTED CONTAINER ENTRAINED BY A CONVEYOR.**

Applicant : HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, MUMBAI-400020, STATE OF MAHARASHTRA, INDIA.

Inventor :

- (1) PHILIP GORDON HADDOW
- (2) GEOFFREY WILLIAM VERNON

Application No. : 226/BOM/95 filed on 19-5-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Mumbai-400 013.

**10-CLAIMS**

1. Apparatus for operating on a partly erected container entrained by a conveyor to close at least one tab of the container against a wall extending transversely from an end wall and located to the front or the rear of said end wall in the direction of conveyor travel.

Said apparatus comprising endless conveyor means for conveying at least one presser device into the path of the container in the direction of travel of the container conveyor and means for displacing said presser device relative to the container conveyor to engage said at least one tab.

(i) in the case where said tab is to be closed against the transversely extending wall of the container at the front of said end wall, said displacement means accelerating the presser device to advance it at entry of said presser device to the container path, thereby to provide a clearance for the introduction of the container behind the device, and said relative displacement thereafter retarding the presser device relative to the container conveyor to reduce said clearance and urge the presser device against said tab to press it against said transversely extending wall at the front of said end wall, or

(ii) in the case where said tab is to be closed against the transversely extending wall of the container at the rear of said end wall, said displacement means retarding the presser device at the entry of said presser device to the container path, thereby to provide a clearance for the introduction of the container in front of the device, and said relative displacement thereafter advancing the presser device relative to the container conveyor to reduce said clearance and urge the presser device against said tab to press it against said transversely extending wall at the rear of said end wall.

Compl. Specn. : 16 Pages

Drawings : 2 Sheets

Ind. Cl. : 157 D 3

183476

Int. Cl. : B 61 D, 35/00.

**A SANITARY DEVICE (AUTOMATIC PATH REGULATOR FOR HUMAN WASTES DISPOSAL) TO PREVENT THE HUMAN WASTES IN FALLING OVER THE RAILWAY TRACK DURING THE HALT OF THE TRAIN AT RAILWAY STATION.**

Applicant & Inventor : KRISHNARAO CHANDRASEKARAN, 891-A, ASHOKA GARDEN, BHOPAL-462023.

Application No. 233, Bom/1995 filed on May 22, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, Mumbai-400 013.

**2 Claims**

1. A sanitary device (automatic path regulator for human wastes disposal) to prevent the human wastes in falling over the Railway track during the halt of the train at Railway stations comprising a catch drain pipe (13) positioned horizontally below the Railway bogies (1) in the widthwise direction of the Bogie (1); the said pipe (13) having provided with two numbers of catch drain inlet (14) and one number of catch drain outlet (15) on its surface; the said catch drain inlet (14) positioned below the lavatory outlet pipe (2) to face the sky; the catch drain outlet (15) is provided at the mid-length of the catch drain pipe (13) to face the Railway track on the ground; the catch drain pipe (13) is provided with a bend at its midlength for giving slope from catch drain inlet (14) to catch drain outlet (15) for allowing gravitational flow of wastes; the said pipe (13) is fixed in position by rigidly connecting with the main horizontal rigid frame (3) through the vertical catch drain holes (16); the catch drain inlet (14) is provided at higher level than the catch drain outlet (15); the main horizontal rigid frame (3) is rigidly connected with the Railway bogie (1) in the widthwise direction of the Railway bogie (1); the catch drain outlet (15) is connected with the waste collecting tank (18) thro' the primary waste discharging pipe (48) and the waste collecting tank inlet (17); the said waste collecting tank positioned below the catch drain outlet (15); the said collecting tank (18) is provided with a tank outlet (20) at its bottom for facing the ground; the collecting tank inlet (17) positioned at lower level than the catch drain outlet (15); the said collecting tank provided with the collecting tank cover (46) and the vent pipe (19); the waste collecting tank (18) is held in position thro' the collecting tank holder (21); the collecting tank holder (21) is attached with the main horizontal rigid frame (3) to support the tank; a con rolling valve (22) provided at the outlet end of the waste collecting tank (18); a link pipe (23) connects the collecting tank outlet (20) and the see-saw disposal pipe inlet (15); the see-saw disposal pipe (24) is positioned to be below the Railway bogie (1) in the widthwise direction of the bogie (1); the disposal pipe inlet (25) is positioned to be at lower level than the level of the collecting tank outlet (20); the see-saw disposal pipe (24) is connected with the pivot rod (34) rigidly for its see-saw function; the pivot rod (34) is held horizontally having the pivot axis (36) in parallel with the width of the Railway bogie (1); the pivot rod (34) hanged from the pivot rod holder (33); the pivot rod holder is hanged vertically from the ancillary horizontal rigid frame (32); the ancillary horizontal rigid frame connected with the Railway bogie (1) in the widthwise direction; the automatic path diverting funnel (7) provided in between the lavatory outlet pipe (2) and the catch drain pipe (13); the funnels (7) placed below the outlet pipe (2); the catch drain pipe (13) is provided below the path diverting funnel (7); the funnel inlet (8) is positioned below the end of the outlet pipe (2); the outlet pipe (2) is projected in to the funnel (7) upto the level (47); the funnel outlet (9) is positioned in level with the catch drain inlet (14); the automatic path diverting funnel (7) connected rigidly with the wind board (12) thro' the connecting tie (11) and funnel holder (10); the wind board (12) rigidly connected with the main horizontal rigid frame (3); the pivot rod (34) rigidly connected with the main horizontal rigid frame (3) into the pivot holder (4); the wing limitation bracket (41) rigidly connected with the pivot rod (34); the swing limitation beam (40) rigidly connected with the swing limitation guards (39); the swing limitation guards (39) rigidly connected with the

supporting structure; the see-saw disposal pipe (24) provided with the lifting hook (29) on both ends of the pipe; the hook hanger (30) provided on both ends of the Bogie; the hook hanger (30) provided on both ends of the Railway bogie (1); the chain connecting the lifting hook (29) and the hook hanger (30) provided on both sides of the Railway bogie (1); the catch drain pipe (13) provided with opening for cleaning (42) at its ends; the cleaning opening lid (43) provided on both the ends of the catch drain pipe.

(Compl. Specn. 24 Pages;

Drgns. 3 Sheets)

Ind. Cl. : 34 A

183477

Int. Cl. : D 01 F 2/06, 2/08.

MANUFACTURING REGENERATED GELLULOSE FIBRE BY ZINC-FREE VISCOSITY PROCESS OR SUBSTANTIALLY ZINC-FREE VISCOSITY PROCESS.

Applicants : BIRLA RESEARCH INSTITUTE FOR APPLIED SCIENCES OF BIRLAGRA-456331, NAGDA, MADHYA PRADESH, INDIA.

Inventor : —IDEM—

Application No. 257/Bom/95 filed on June 8, 95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400 013.

### 3 Claims

1. A process for the production of regenerated cellulose fibre which comprises soaking a rayon grade-pulp in caustic soda-solution to produce alkali cellulose having about 16% sodium hydroxide, shredding the alkali cellulose, ageing same to get a viscose solution having 35—75 ball fall seconds, converting the alkali cellulose into cellulose xanthate by reaction with carbon-di-sulphide, preparing a viscose solution from the xanthate by dissolving same in dilute caustic soda solution, said, viscose solution having (a) 6—11% cellulose and (b) 52—60% caustic soda/cellulose ratio, allowing viscose solution to ripen and thereafter subjecting the ripened solution to spinning characterized in that the spinning is carried out in a spin bath containing 6.5—12% sulphuric acid, 0.3-2% aluminium sulphate  $[Al_2(SO_4)_3]$  0.1-0.5% linoxid conc. and/or 0.02 to 0.2% zinc sulphate and 18—26% sodium sulphate, stretching the spun filament and thereafter, regeneration, desulphurizing, bleaching, finishing and drying the filament, the ratio of zinc salt to alum being 1:10 to 1:20.

Ind. Cl. : 160 C

183478

Int. Cl. : B 60 N, 1/12

### CHILD SEAT FOR A TWO-WHEELER.

Applicants : NOVOTECH ENTERPRISES PRIVATE LIMITED, D-8, BRAMHA MEMORIES, BHOSALE NAGAR, PUNE-411 007, MAHARASHTRA, INDIA.

Inventor : ANIL SAINI.

Application No. 340/Bom/95 filed Aug. 2, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400 013.

### 1 Claim

Child seat for a two wheeler comprising a bucket type seat with comfortable lining; the said seat is provided at its front, adjustable fastening means while sides are provided with pair of the belts with buckles with fastening means for securely holding the seat on the structural component of the two wheeler and the said seat belt is provided with hook and latch means with the framing of the said two wheeler to render the child seat theft proof.

(Compl. Specn. 3 Pages;

Drgns. 1 Sheet.

Ind. Cl. : 53 C

183479

Ind. Cl. : B 62K, 3/02

### A CRANK COVER FRAME FOR THE BICYCLE.

Applicant & Inventor : 1. KING-CHEN LIN, 173, KUEI SUEI STREET, KAOHSIUNG CITY TAIWAN. 2. MING-CHANG LIN, NO. 66, HUAI AN STREET, KAOHSIUNG CITY, TAIWAN.

Application No. 402/Bom/1995 filed on Sep. 11, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400 013.

### 4 Claims

1. A crank cover frame for the bicycle comprising is a combination of a shell and a leaf covering a forged crank, in which the said shell having a hollow cavity corresponding to the appearance of the forged crank, and an opening at the bottom; the said leaf like shape, the opening of the shell for inlaying into it, combining, the leaf sealing the opening of the shell for holding the forged crank into it.

(Compl. Specn. 7 Pages;

Drgns. 4 Sheets.

Ind. Cl. : 123

183480

Int. Cl. : A 01, N 63/02

### A PROCESS OF LYSIS FOR THE PREPARATION OF A PLANT GROWTH PROMOTER FROM BIOMASS.

Applicants : NATIONAL ORGANIC CHEMICALS INDUSTRIES LTD., MAFATLAL CENTRE, NARIMAN POINT, BOMBAY-400021, MAHARASHTRA, INDIA.

Inventors :

KANE SHANTARAM GOVIND, CHENNUPATI KOTESWARA RAO & PUROHIT PRAMOD CHINTAMAN.

Application No. 403/Bom/1995 filed on Sep. 13, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400 013.

### 17 Claims

1. A process of lysis for the preparation of a plant growth promoter from biomass herein described which comprises lysing the biomass at 50 to 350°C and atmospheric to 60 bars pressure with or without an alkali such as herein described or acid catalyst such as herein described adjusting the pH of the resulting slurry to 2 to 12 with an acid such as herein described or alkali such as herein and further processing the slurry as herein described.

(Compl. Specn. 39 Pages;

Drgns. Nil.

Ind. Cl. : 55 F [XIX (1)]

183481

Int. Cl. : A 61 K-9/16

### A PROCESS FOR MAKING AGGLOMERATES FOR USE AS OR IN A DRUG DELIVERY SYSTEM.

Applicant : BHARATI VIDYAPEETH, AN INDIAN INSTITUTE BEING A PUBLIC CHARITABLE TRUST, OF BHARATI BHAVAN, LAL BAHADUR SHASTRI MARG, PUNE-411 030, MAHARASHTRA, INDIA.

Inventors :

(1) SHIVAJIRAO SHRIPATRAO KADAM,  
(2) KAKASAHEB RAMOC MAHADIK  
(3) ANANT RAGHUNATH PARADKAR.

Application No. : 87/Bom/97 Filed on 14-2-97.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-13.

## 15 Claims

A process for making agglomerates for use as or in a drug delivery system comprising the following steps.

dissolving a predetermined quantity of at least one water insoluble drug in a solvent having a predetermined pH between 1 to 14 at a predetermined temperature ranging from 20 degrees to 80 degrees celsius to obtain a saturated solution referred to as Mixture A;

mixing a predetermined quantity of at least one excipient with a predetermined quantity of at least one water immiscible bridging liquid in the presence of a predetermined quantity of at least one first hydrophilic and/or hydrophobic polymer to obtain mixture B in which the ratio of drug to excipient varies between 1 : 0.1 to 1 : 200;

dissolving a predetermined quantity of at least one second hydrophilic and/or hydrophobic polymer in a predetermined quantity of water or a predetermined aqueous phase having pH between 1 to 14 to obtain a Mixture C;

add mixture A, mixture B and mixture C in a reaction vessel with continuous agitation for a predetermined time ranging between 15 minutes to 2 hours at a temperature ranging from 5 degrees to 45 degrees celsius to obtain crystallo-co-agglomerates of the drug, excipient and polymer;

filtering the resultant mixture; and

drying the residue to obtain the crystallo-co-agglomerates.

dissolving a predetermined quantity of at least one water insoluble drug in a water miscible solvent having a pH between 1 to 14 at a predetermined temperature to obtain a saturated solution referred to as Mixture A;

mixing a predetermined quantity of at least one excipient with a predetermined quantity of at least one water immiscible bridging liquid in the presence of a predetermined quantity of at least one first hydrophilic and/or hydrophobic polymer to obtain mixture B;

dissolving a predetermined quantity of at least one second hydrophilic and/or hydrophobic polymer in a predetermined quantity of water or a predetermined aqueous phase having a pH between 1 to 14 to obtain a Mixture C;

add mixture A, mixture B and Mixture C in a reaction vessel with continuous agitation for a time ranging between 15 minutes to 2 hours at a temperature ranging from 5 degrees celsius to 30 degrees celsius to obtain crystallo-co-agglomerates;

filtering the resultant mixture; and

drying the residue to obtain the crystallo-co-agglomerates.

Prov. Specn. 28 pages,

Drgs. 2 sheets

Comp. Specn. 39 pages,

Drgs. 2 sheets

Ind. Cl. : 185 E

183482

Int. Cl. : A 23 F3/06.

**A METHOD OF MANUFACTURING A TEA PRODUCT DERIVED FROM GREEN TEA LEAF.**

Applicants : HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, MUMBAI-400020, MAHARASHTRA, INDIA.

Inventors :

- (1) BARRETT MATTHEW JOHN,
- (2) BIRCH MARK RICHARD,
- (3) JONES TIMOTHY GRAHAM.

Application No. : 254/Bom/97 Filed on 25-4-97.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-400 013.

## 10 Claims

1. A method of manufacturing a tea product from green tea leaf that infuses with enhanced redness comprising macerating green leaf or green leaf-derived material, optionally fermenting it, wherein zeolite is added to the green leaf or green leaf derived material at some stage to generate red colour species that are liberated upon infusion.

Complete Specifications : 40 Pages

Drawings : 4 Sheets

Ind. Cl. : 77 A.

183483

Int. Cl. : A 23 D 5/00.

**A PROCESS FOR THE PREPARATION OF A CONTINUOUS FAT SPREAD.**

Applicants : HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, BOMBAY-400020, MAHARASHTRA, INDIA.

Inventors :

1. Podutoor Ravinder Reddy
2. Peter Trzasko
3. James Kasica
4. Judith Jackson

Application No. : 283/Bom/97 filed on 6-5-97.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400 013.

## 7 Claims

1. A process for the preparation of continuous fat spread comprising :

- (a) from about 10 to about 65 wt. % of a continuous fat phase; and
- (b) from about 90 to about 35 wt. % of a dispersed aqueous phase the aqueous phase comprising from about 1 to 20 wt. % of a gelling amylose containing starch having rheological properties characterized by G' eq of 400-10<sup>5</sup> N/cm<sup>2</sup> or greater and a critical strain (r<sub>cr</sub>) of 12 or greater at 10° C. provided the starch is prepared at a concentration having an anhydrous starch solid content of 10 wt. %.

Wherein :

- (a) gelling amylose containing starch is mixed with water,
- (b) optionally other ingredients are added,
- (c) the mixture obtained in step (b) is subjected to a heat treatment,
- (d) cooled, and
- (e) subjected to an inversion treatment to obtain a fat continuous product,

whereby the fat phase can be added at any moment before step (e).

(Compl. Specn. : 24 pages:

Drgn : 2 sheets)

Ind. Cl. : 55 E, [XIX(1)].

183484

Int. Cl. : A 61K-7/06.

**A PROCESS OF PREPARING HERBAL COMPOSITION FOR REGENERATION/REVITALISATION/REGROWTH OF HAIR.**

Applicant & Inventor : Dr. DEODATTA SITARAM BHADLIKAR C/o MR. D. L. KINGAONKAR, B-9, GANESWAR JYOT, MAHARSHI KARVE ROAD, DOM-BIVLI (WEST, Pin-421 201 DISTT. THANE, MAHARASHTRA, INDIA AN INDIAN NATIONAL.

Patent Application No. : 285/Bom/97 filed on 6-5-97.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400 013.

#### 8 Claims

1. A process of preparing herbal composition for regeneration/revitalization/regrowth of hair, comprising of the following steps :

- Procuring of fresh 'Karanja' (pongmia glabra) leaves, ripe fruits of 'Kapittha' (feronia elephantum) and 'Kasisa' (ferrous sulphate  $FeSO_4 \cdot 7H_2O$ );
- decoctionating the 'Karanja' in a known manner, to form 'Karanja' extract;
- treating the 'Kasisa' with 'Karanja' extract, by keeping the said 'Kasisa' powder kept in a grinder and adding the 'Karanja' extract till it is soaked and grinding the same to make a paste;
- again adding 'Karanja' extract into the paste of step (c) till it is soaked and again grinding and repeating this process 2 to 7 times to make a very fine paste; The preferable proportion of Kapittha; Kasisa; tusk ash powder (Ivory), 'Karanja' extract in herbal composition of this invention are in 1 : 1 : 2.5-6 ratio by wt. accordingly;
- pulverising the 'Kapittha' fruits in a known manner, to form a paste/pulp;
- adding a part of the 'Kapittha' pulp to the fine paste of step (d) and grinding the same and again adding a part of the 'Kapittha' pulp followed by grinding the same and repeating the same several times to form a very fine paste of 'Kasisa' treated with 'Karanja' and 'Kapittha'.
- drying the said very fine paste formed in above step (f) at room temperature to form dry cake;
- pulverising/grinding the said dry cake formed in above step (g) to form a fine powder of the herbal composition.

(Compl. Specn. : 14 pages;

Drwgn : nil)

Ind. Cl. : 83 B1 Gr. [XIV(5)]

183485

Int. Cl. : A 23 G 9/04.

#### A PROCESS FOR THE PREPARATION OF A COATED FROZEN CONFECTIONERY PRODUCT.

Applicants : HINDUSTAN LEVER LIMITED A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1913 OF HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, MUMBAI-400 020, MAHARASHTRA, INDIA.

#### Inventors :

- DAVID ROBERT GRAHAM COX.
- LUKE OLIVER HEENEY.
- STEPHEN RAYMOND MOORE.

Patent Application No. 324/Bom/97 filed on 28-5-97.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400 013.

#### 9 Claims

A process for the preparation of a coated frozen confectionery product whereby an aqueous solution in the super-cooled state is caused to freeze while applied on at least part of the surface of a pre-frozen element of the product.

(Compl. Specn. 12 Pages;

Drgns. Nil.)

Ind. Cl. : 55 E3 + E4 Gr. [XIX (1)]

183486

Int. Cl. : A 61 K - 31/00.

AN IMPROVED PROCESS FOR THE MANUFACTURE OF THE EXTRACT OBTAINED FROM AYURVEDIC MEDICINAL PLANT VIZ. "TULSI".

Applicant : SYNIT DRUGS PRIVATE LIMITED, AN INDIAN COMPANY HAVING ITS REGISTERED OFFICE AT MOHATTA BHAVAN, OFF HAINES ROAD, WORLI, MUMBAI-400 018, MAHARASHTRA, INDIA.

#### Inventors :

- SHIRISH BHAGWANLAL MODY.
- BHARAT PRAVINCHANDRA MEHTA.
- PRANABH DINESH MODY.

Application No. 420/Bom/97 filed on 15-7-97.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400 013.

#### 6 Claims

An improved process for the manufacture of therapeutically effective extract from "TULSI" plant, comprising of the following steps :—

- Grading & communing the plant in powder form in a high speed hammer mills;
- steam distilling the powdered Tulsi ingredients in a Stainless Steel jacketed vaporiser to obtain the volatile oil with water vapour, the volatile oil is separated from the distillate;
- extracting the distillate of step (ii) with inorganic or organic solvent to obtain the remaining active ingredient or volatile oil and/or reextract it so as to obtain the absorbed volatile oil in the distillate;
- concentrating the volatile oil obtained in step (iii) at low temperature so as to obtain thick paste which is further converted to dry powder by spray drying at low temperature;
- mixing the volatile oil obtained in step (ii) with the residual volatile oil thus obtained in step (v) which is thoroughly mixed to obtain the volatile oil without any degradation and higher yield.

(Compl. Specn. 11 Pages;

Drgns. Nil.)

Ind. Cl. : 55 E2 + E4 Gr. [XIX(I)]

183487

Int. Cl. : A 61 K-31/00.

AN IMPROVED PROCESS FOR MANUFACTURE OF THE EXTRACT OBTAINED FROM AYURVEDIC MEDICINAL PLANT, VIZ. 'GUDUCHI'.

Applicants : SYNIT DRUGS PVT. LTD., AT MOHATTA BHAVAN, OFF HAINES ROAD, WORLI, MUMBAI-400018, MAHARASHTRA, INDIA, AN INDIAN COMPANY.

#### Inventors :

- SHIRISH BHAGWANLAL MODY.
- BHARAT PRAVINCHANDRA MEHTA.
- PRANABH DINESH MODY.

Patent Application No. 423/Bom/97 filed on 15-7-97.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400 013.

#### 4 Claims

1. An improved process for the manufacture of extract obtained from the Ayurvedic medicinal Plant 'Guduchi' comprising of the following steps :

- Grading & communing dried stem of the said plant so as to obtain the ingredients in powdered form;

- (ii) extracting the powdered ingredients thus obtained in step (i) with a solvent in a Stainless Steel jacketed vessel at low temperature with constant stirring in Vacuum;
- (iii) concentrating the active ingredient thus obtained in step (ii) at a low pressure and low temperature and converted into a dry powder by spray drying.
- (iv) the residue of step (ii) is re-extracted by extracting solvents with vigorous stirring for 10-12 hrs; the residue extract is filtered and is expressed to recover the absorbed extract;
- (v) mixing the active ingredients of step (iii) with the active ingredient thus obtained in step (iv) at constant stirring at a temperature 40-70°C to obtain active ingredients, which is converted into dry powder by spray drying at temperature ranging between 45-65°C.

(Compl. Specn. 10 Pages; Drgns. Nil.)

Ind. Cl. : 83 [XIV (1)] 183488  
Int. Cl. : C 12 N-15/00.

#### FROZEN FOOD PRODUCT.

Applicants : HINDUSTAN LEVER LTD., OF HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, MUMBAI-400 020, MAHARASHTRA, INDIA.

##### Inventors :

1. PETER JOHN LILLFORD.
2. ANDREW JOHN MCARTHUR.
3. CHRISTOPHER MICHAEL SIDEBOTTOM.
4. PETER WILDING.

Application No. 430/Bom/95 filed on 21-7-97.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-400 013.

#### 2 Claims

A process for the recovery of APPs from natural sources, such as herein described said process involving the steps of :

- (a) isolating an APP containing juice from the natural source;
- (b) heat treating the natural source or the APP containing juice to a temperature of at least 60°C.
- (c) removing the insoluble fraction.

(Compl. Specn. 30 Pages; Drgns. Nil.)

Ind. Cl. : 83 A2, 83 B1 183489  
Int. Cl. : C 12 N 15/00, A 23L, 3/36.

#### A PROCESS FOR THE PRODUCTION OF A FROZEN FOOD PRODUCT.

Applicants : HINDUSTAN LEVER LIMITED, 165/166, BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

##### Inventors :

1. RICHARD ANTHONY FENN.
2. DAVID NEEDHAM.
3. KEITH SMALLWOOD.

Application No. 432/Bom/97 filed on July 21, 1997.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-400 013.

#### 4 Claims

A process for the production of frozen food product comprising APP wherein a pre-mix of the frozen food product is prepared and frozen, the pre-mix containing one or more APP, the APP being selected such that the ice-crystals in the frozen food product have an aspect ratio of from 1.1 to 1.9.

(Compl. Specn. 21 Pages;

Drgns. Nil.)

Ind. Cl. : 55 E2 Gr. [XIX(1)]

183490

Int. Cl. : 61K - 35/78.

A PROCESS FOR THE ISOLATION OF NEW PHARMACOLOGICALLY ACTIVE  $18\beta$ ,  $19\beta$ -DIACETYLOXY- $18\alpha$ ,  $19\beta$ -EPOXY-3, 13 (16), 14-CLERODATRIEN-2-ONE (ESCULENTIN A) AND  $18\beta$ ,  $19\beta$ -DIACETYLOXY- $18\alpha$ ,  $19\beta$ -EPOXY-3, 12, 14-CLERODATRIEN-2,  $\beta$ -ISOVALERYLOXY- $6\beta$ ,  $7\beta$ -DIOL (ESCULENTIN B) FROM PLANTS BELONGING TO THE SAMYDACEAE FAMILY PARTICULARLY CASEARIA ESCULENTA AND THEIR PHARMACEUTICALLY ACCEPTABLE DERIVATIVES.

Applicants : HOECHST MARION ROUSSEL LTD. AT HOECHST HOUSE, NARIMAN POINT, 193, BACKBAY, RECLAMATION, MUMBAI-400 021, MAHARASHTRA, INDIA, AN INDIAN COMPANY.

##### Inventors :

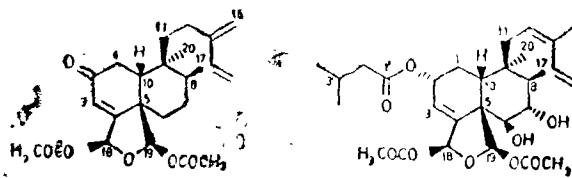
1. DR. (Mrs) SWATI BAL- TEMBE
2. DR.ERRA KOTESWARA SATYA VIJAYA KUMAR
3. MR. VIJAY BHAGWAN DEORE &
4. DR. (Mrs) KALPANA SANJAY JOSHI.

Patent Application No. 523/Bom/97 filed on 8-9-97.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-400 013.

#### 6 Claims

A process for the isolation of new pharmacologically active  $18\beta$ ,  $19\beta$ -diacetoxy- $18\alpha$ ,  $19\beta$ -epoxy-3, 13 (16), 14-clerodatrien-2-one (Esculetin A) and  $18\beta$ ,  $19\beta$ -diacetoxy- $18\alpha$ ,  $19\beta$ -epoxy-3, 12, 14-clerodatrien-2 $\beta$ -isovaleryloxy- $6\beta$ ,  $7\beta$ -diol (Esculetin B) of the formulae 1 and 2 of the accompanying drawings, respectively from plants belonging to the Samydaceae family particularly Casearia esculenta and their pharmaceutically acceptable derivatives which consists of extracting the plant material with an organic solvent such as herein described in the ratio 1:2 to 10 parts by weight of the plant material to the organic solvent at a pH 5-8 and recovering the compounds of the formulae 1 and 2 from the solvent extract in known manner as herein described and if desired converting the compounds of the formulae 1 and 2 into pharmaceutically acceptable derivatives thereof in known manner as herein described.



FORMULA 1

(Compl. Specn. 14 Pages;

FORMULA 2

Drgns. 7 Sheets.)

Ind. Cl. : 56 [V], 56 G.  
Int. Cl. : B 01 D, 3/00,  
F 25 B, 13/00.

**AN IMPROVED DISTILLATION UNIT-CUM-HEAT PUMP.**

Applicants : MR. SURENDRA HIMATLAL SHAH, 15B, THACKER ESTATE, N. M. JOSHI MARG, MUMBAI-400 011, MAHARASHTRA, INDIA.

Inventor : IDEM.

Application No. 421/Bom/95 filed on 22-9-95. complete Specification filed after Provisional Specification on 18-11-96.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-400 013.

**5 Claims**

An improved distillation unit-using-heat pump comprising of a compressor using mixture of two non-azeotropic refrigerants at 20 atmosphere having first discharge line leading to high temperature condenser coil placed in a shell; said condenser shell having water feeding line and steam discharge out lets said high temperature condenser coil having two out lets one rising upward and other leading downward; the said rising upward out let connected to low temperature evaporator coil through expansion device and said downward leading out let; connected to high temperature evaporator through expansion device; out let of said high temperature and low temperature coil taken to compressor through accumulator and said high temperature and low temperature condenser provided with an out let for distilled water at the bottom.

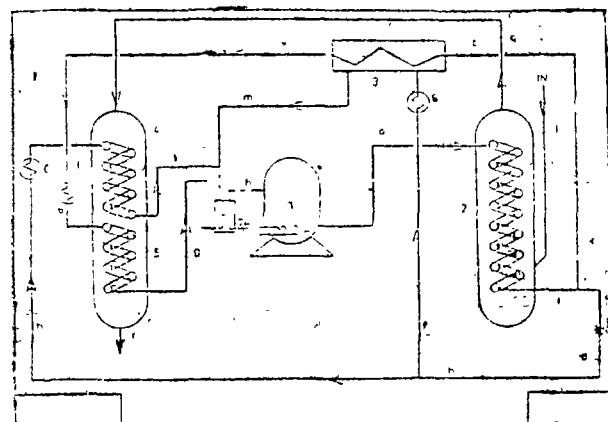


FIG -1

(Prov. Specn. 4 Pages;  
(Compl. Specn. 11 Pages;

Drgns. Nil.)  
Drgs. 1 Sheet)

Ind. Cl. : 63 [LVII (1)]

Int. Cl. : H 02 IC 9/18, 13/02.

**AN EXTERNAL SLIP RING WOUND ROTOR INDUCTION MOTOR.**

Applicant : CROMPTON GREAVES LTD., 1, DR. V. B. GANDHI MARG, BOMBAY-400 023, MAHARASHTRA, INDIA.

Inventors :

1. RAGHAVENDRA YASUDEO ACHARYA.
2. VINOD PRABHAKAR BRID.
3. ANIRUDDHA SHRIKRISHNA KULKARNI.
4. RAVINDRA SITARAM BARVE.

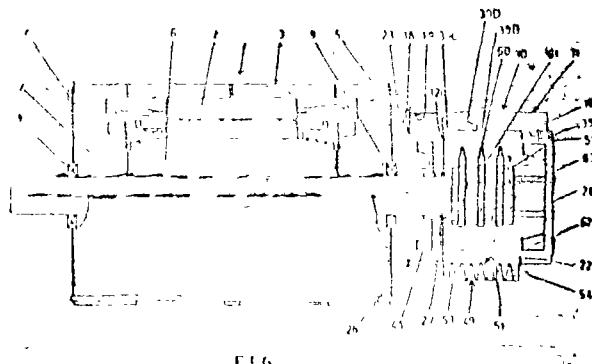
Application No. 450/Bom/95 filed on 31-10-95.

183491

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-400 013.

**6 Claims**

An external slipping wound rotor induction motor consisting of a wound stator mounted in a casing provided with a pair of end shields, a wound rotor disposed in the stator and mounted on a shaft which is rotatably mounted in the end shields using bearings, a slipping and brush gear assembly disposed externally of the casing at one end thereof and comprising a slipping cover, a plurality of slippings disposed in the slipping cover and mounted on the shaft, a plurality of carbon brushes disposed in the slipping cover in contact with the slippings and mounted on the casing and a fan disposed in the slipping cover and mounted on the shaft, a stator terminal box mounted on the casing and a rotor terminal box mounted on the slipping cover, the slipping cover being totally enclosed and mounted on one of the end shields coaxially with the shaft, the slipping cover being provided with at least one aircooled heat exchanger cum-air circulator made of a good thermal conductor material pivoted thereto and adapted to be locked thereto and at least one inspection window fitted thereto, the slipping cover further provided with a dust trap located at the bottom thereof pivoted thereto and adapted to be locked thereto.



surfaces, the generating curves for the cylindrical rolling surfaces being involutes of circles, whose dimensions are determined by the gear leaf size and hydraulic conditions at size.

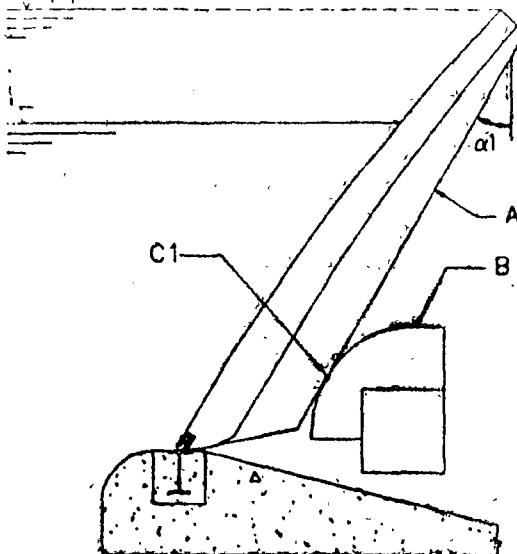


FIGURE 1A

(Compl. Specn. 9 Pages;

Draws. 9 Sheets.)

Ind. Cl. : 69 I Gr [LI x (i)]

183494

Int. Cl. : H 01 H-83/00.

## ELECTRONIC HIGH SENSITIVITY ELECTRIC SHOCK PREVENTER.

Applicant & Inventor : DHANANJAY RAMKRISHNA TUTAKNE, N-5, VIDYADHAR APARTMENTS, GOREPETH, NAGPUR-440010, MAHARASHTRA, INDIA, INDIAN NATIONAL.

Patent Application No. : 513, Bom/95 filed on 7-12-95.

Complete after Provisional Specification filed on 3-3-97.

Appropriate Office for Opposition Proceedings (Rule 4, Patents, Rules, 1972), Patent Office Branch, Mumbai-400013.

## 2 Claims

Electronic high sensitivity electric shock preventer (1) comprising a earth leakage detector (2), a differential current transformer (3) a signal voltage amplifier (4) consisting of operational amplifier and associated electronic circuit, voltage comparator (5) thyristor electronic latch (6) between voltage comparator and coil of the power relay (7) and DC power supply (8) consisting of step down transformer (9) of 230 volts/12 volts AC rectifier, filter, voltage regulator; the input of amplifier is connected to the output of earth leakage detector and the output is fed to the voltage comparator, input of voltage comparator is fed with the reference signal of 4 volts DC, the output of voltage comparator is fed to the thyristor latch, the gate of the thyristor is connected to the input of the voltage amplifier with a series resistor, and anode and cathode of the thyristor are connected in series with the power relay coil, and reset button, 230 volt side is connected to the incoming AC supply between phase and neutral and the secondary is connected to the bridge rectifier, the output of the bridge rectifier is dual DC voltage of + 15 volts and -15 volts DC, which are further fed to two voltage regulator for obtaining regulated power supply of + 12 volts & -12 volts, required for electronic circuit.

(Provn. Specn. : 3 Pages;  
(Compl. Specn. : 5 Pages;Drawn : Nil.)  
Drawn : 4 Sheets)

Ind. Cl. : 62 B Gr. [XXXI (1)].

183495

Int. Cl. : D 06 B-23/04.

## AN IMPROVED YARN DYEING MACHINE.

Applicant & Inventor : VIJAY MERCHANT OF KASHI-MIRA CERAMIC CMPD, S. V. ROAD, MIRA THANE-401 014, MAHARASHTRA, INDIA, AN INDIAN NATIONAL.

Patent Application No. 530/Bom/95 filed on 18-12-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents, Rules, 1972), Patent Office Branch, Mumbai-400013.

## 2 Claims

A horizontal yarn dyeing machine comprising a series of horizontal dyeing chambers (10) at a space apart relationship which is filled with plurality of yarn wounded on perforated core, cheese and spools, (1) through the doors (5); the dyed liquor from the expansion tank (7) is moved through the pressure developed by the injection pump (8) and travel through all the dyeing chamber (10) loaded with yarn which is activated by a prior program panel which permit the main pump (4) to start sucking the dye liquor from the horizontal dyeing chamber (10) convey it to heat exchanger (9) for recirculation; which will be sent back to liquor expansion tank (7) at the same time water from the tap (6) will pass through the heat exchange & heated water will circulate through the piping (11) to the horizontal dyeing chambers (10) and inject through the carrier to the dye yarn and thus performing dyeing and washing simultaneously the dyed yarn can be unloaded from the dyeing chamber from opening the door (5).

(Compl. Specn. : 7 Pages;

Drawn : 1 Sheet)

Ind. Cl. : 55 d 1 [XIX (1)].

183496

Int. Cl. : A 01 N, 25/02.

A METHOD OF MAKING MOSQUITO REPELLANTS USING CELLULOSE MATS IMPREGNATED WITH A COMPOSITION, WHEREIN THE ACTIVE INGREDIENT IS OF A BIO-ORGANIC ORIGIN.

Applicants : PANAYACHERIL KRISHNAN SOMASHEKHARAN, A-1, LOK MILAN, FLAT NO. 2, CHANDIVALLI, BOMBAY-400072, MAHARASHTRA STATE, INDIA.

Inventor : —IDE—

Application No. : 46/Bom/96 filed on 22-1-96 (Complete Specification after Provisional Specification filed on 21-4-97).

Appropriate Office for Opposition Proceedings (Rule 4, Patents, Rules, 1972), Patent Office Branch, Mumbai-400013.

## 3 Claims

1. A method of manufacture of Mosquito repellent cellulose mats for use in electrical mosquito repelling device wherein the said cellulose mats is impregnated with a synergistic mixture of neem oil and petroleum ether in the proportion of 1 : 1 to 1 : 5 and wherein the petroleum ether is a mixture of petroleum ether of molecular weight 60 : 40 and 60 : 80 in equal proportion with/without perfume in the proportion of not less than 1% and the said cellulose mats are subsequently dried at a temperature range of 40 degrees to 80 degrees C.

(Compl. Specn. : 11 Pages;

Drawn : Nil)

Ind. Cl. : 172 D 7.

183497

Int. Cl. : D 01 H, 13/04.

DEVICE FOR GUIDING AND TRANSPORTING THE SLUBBING IN A DRAWING SYSTEM OF A SPINNING FRAME.

Applicants : CHEMNITZER SPINNEREIMASCHINENBAU GMBH ALCHEMNTZER STR. 27 09120, CHEMNITZ, GERMANY.

Inventors :

WOLFGANG GUNTHER,  
DR. ING. REINHARD KONIG &  
DR. ING. JOHANNES BARTH,

Application No. : 51/Bom/96 filed on Jan. 24, 1996.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400013.

6 Claims

1. Device for guiding and transporting the slubbing in a drawing system of a spinning frame equipped with guide or transport elements between the adjacent roller pairs, comprising at least one air vortex nozzle (3) is located between the draw-in roller pair (11) and the downstream drawing roller (12) coaxially to the slubbing running direction, and that an adjustable throttle valve (351) is located upstream or the air vortex nozzle (3) in an air supply line (35).

(Compl. Specn. : 24 Pages; Drwgn. : 3 Sheets)

Ind. Cl. : 5D + 32E. 183498  
Int. Cl. : C 08L 33/02.

A WATER ABSORBENT AND RELEASE COMPOSITION.

Applicants : VENTRON CHEMICALS LIMITED, 5. ONLOOKER BLDG., 14 SIR P. M. ROAD. BOMBAY-400 001, MAHARASHTRA, INDIA.

Inventor : NAND KISHORE.

Application No. : 293/Bom/96 filed on May 31, 1996.

Complete after Provisional left Aug. 7, 1997.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400013.

4 Claims

1. A water absorbent and release composition comprising : 40—99.5 b/w of potassium salt of polyacrylic acid polymer and having in the composition trace elements such as :

0.1—0.8% of iron;  
0.01—0.04% of manganese;  
0.01—0.04% of zinc;  
0.01—0.04% of boron;  
0.01—0.04% of copper;  
0.01—0.05% of Molybdenum;

0—60% of organic/inorganic nutrients and optionally containing other components such as sand.

(Compl. Specn. : 8 Pages; Drwgn. : Nil)  
(Prov. Specn. : 5 Pages; Drwgn. : Nil)

Ind. Cl. : 5D + 32E. 183499  
Int. Cl. : C 08 L—33/02, 32/26.

A WATER ABSORBENT AND RELEASE COMPOSITION.

Applicants : VENTRON CHEMICALS LIMITED, OF 5, ONLOOKER BLDG., 14, SIR, P. M. ROAD, MUMBAI-400 001, MAHARASHTRA, INDIA.

Inventor. : NAND KISHORE.

Application No. : 294/Bom/96 filed on May 31, 1996.

Complete after Provisional Left on 7-8-97.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400013.

4 Claims

A water absorbent and release composition comprising :

40—99.5 b/w of potassium salt of copolymer of acrylamide and acrylic acid;

0.1—0.8% of iron;  
0.01—0.04% of manganese;  
0.01—0.04% of zinc;  
0.01—0.04% of boron;  
0.01—0.04% of copper;  
0.01—0.05% of molybdenum;

0—60% of organic/inorganic nutrients and optionally containing adjoins such as sand.

(Prov. Specn. : 4 Pages;  
(Compl. Specn. : 8 Pages;

Drwgn. : Nil)  
Drwgn. : Nil)

183500

Ind. Cl. : 55 E. 183500  
Int. Cl. : C 07 D - 501/22

A PROCESS FOR THE MANUFACTURE OF THE ANTI-BIOTIC 7-(D- $\alpha$  AMINO- $\alpha$ -PHENYL ACETAMIDO)-3-METHYL-3-CEPHEM-4-CARBOXYLIC ACID (CEPHALEXIN) AND PHARMACEUTICALLY ACCEPTABLE SALTS THEREOF.

Applicants : VAITARA CHEMICALS LIMITED, 1 REWA CHAMBERS 31, NEW MARINE LINES, MUMBAI-400020, MAHARASHTRA, INDIA.

Inventors :

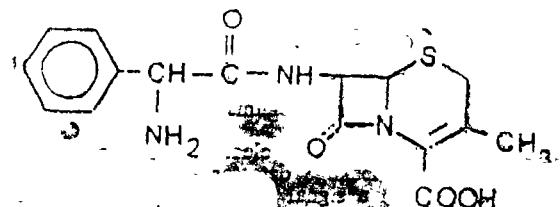
(1) VELLATE RAVINDRANATH NAIR  
(2) DR. ANIL SHANKAR CHOWDHARY  
(3) MISS JYOTI RAJESH AGRAWAL.

Application No. 586/Bom/96 filed on Dec. 5, 1996.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400013.

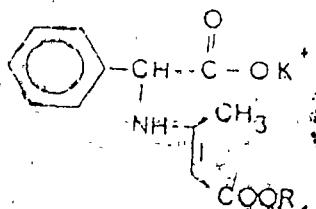
13 Claims

A process for the manufacture of the antibiotic 7-(D- $\alpha$  amino -  $\alpha$  - phenylacetamido) - 3 methyl - 3 - cephem - 4 - carboxylic acid (cephalexin) of the formula 1 :



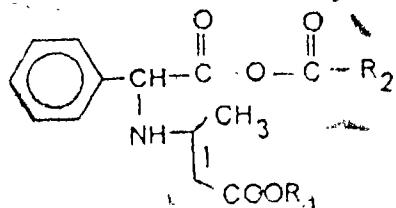
Formula 1

and pharmaceutically acceptable salts thereof consisting of reacting an enamine protected potassium salt of D-( $\alpha$ )-phenyl glycine (Dane salt) of the formula 2 :



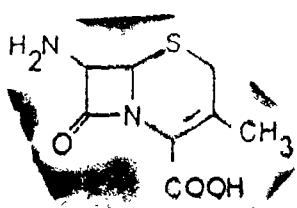
Formula 2

wherein R<sub>1</sub> is methyl or ethyl with an acid chloride of the formula R<sub>2</sub>COCl, wherein R<sub>2</sub> is ethyl or tertiary butyl in a twin solvent mixture herein described in the ratio 6 : 1 to 1 : 1 in the presence of a pyridine derived twin catalytic mixture herein described in the ratio 1 : 0.01 to 1 : 0.05 at-20 to -65°C to obtain a mixed anhydride of the formula 4 :



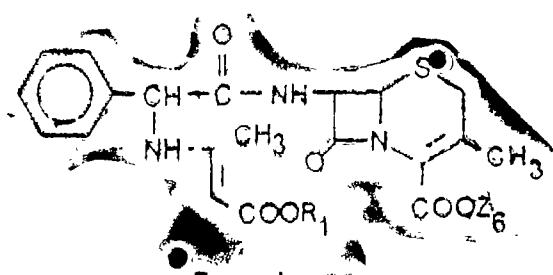
Formula 4

wherein R<sub>1</sub> and R<sub>2</sub> are as defined above, which is condensed with an alkyl guanidine salt solution of 7-amino desacetoxy cephalosporanic acid (7-ADCA) of the formula 2 :



Formula 2

at -10°C to -65°C followed by hydrolytic cleavage of the enamine derivative of the resulting compound of the formula 6f



Formula 6f

wherein R<sub>1</sub> is as defined above and Z<sub>6</sub> is alkyl guanidine with an aqueous mineral acid herein described and precipitation of the compound of the formula 1 with a base herein described in the presence of an alcohol as co-solvent herein described and if desired converting the compound of the formula 1 into pharmaceutically acceptable salts thereof in a known manner.

Compl. Specn. 22 Pages;

Drgns. Nil

#### CANCELLATION PROCEEDINGS (SECTION 51 A)

An application made by Sanjib Gupta of M/s. Super Shine for cancellation of the Registration of Registered Design No. 177907 in class 4 in the name of P. N. Chakraborty Enterprises.

An application made by Sanjib Gupta of M/s. Super Shine for cancellation of the Registration of Registered Design No. 177908 in class 4 in the name of P. N. Chakraborty Enterprises.

PATENT SEALED ON 17-12-99

177092 181806 182492 182631\* 182632\* 182633\* 182634\*  
182635\* 182636\* 182637\*D 182638\*D 182640\*D 182641  
182642 182643 182644 182647 182648 182650\*D 182651  
182652 182653 182654\* 182655 182656 182657\* 182658  
182659\*D 182662 182664 182666 182667 182669\* 182670\*F.

CAL—24, DEL—09, MUM—NIL, CHEN—01

\*Patent shall be deemed to be endorsed with words LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing

D—Drug Patents.

F—Food Patents.

#### CESSATION OF PATENTS

171051 171115 171164 171170 171234 171277 171330 171332  
171387 171399 171422 171435 171478 171564 171569 171570

#### REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of registration included in the entries.

Class 3. No. 175566, Hoon Tech (India), 819/52, Lekhu Nagar, Tri Nagar, Delhi-110035, India, a regd. partnership firm, "STAND FOR MOBILE PHONE", 19th January 1998.

Class 1. No. 175567, Koa Tools India Ltd., C-14, Phase II, Noida, Ghaziabad, U.P., India, an Indian being incorporated under the Companies Act, 1956 of the above address "HAND SEWING MACHINE", 19th January 1998.

Class 1. No. 175568, Himat Industries, 49, Daba Road, Via G. T. Road, Ludhiana-141003, Punjab, India, an Indian partnership firm whose partners are Balbir Singh, Kulwant Singh, Smt. Surjit Kaur and Smt. Amarit Kaur being Indian nationals of the above address, "FOOT REST REAR FOLDING FOR BICYCLE", 19th January 1998.

Class 3. No. 175580, Vetal Information Systems Private Limited, of Plot No. 24, Industrial Estate of Electrical & Electronics, Civil Aerodrome Post, Coimbatore-641014, Tamilnadu, India, an Indian company, "A DISPLAY SYSTEM FOR MONITORING AND CONTROLLING FUNCTIONS OF TEXTILE MACHINES", 20th January 1998.

Class 3. No. 175581, Dart Industries Inc., a corporation founded under the laws of Delaware, U.S.A. of 14901 South Orange Blossom Trail, Orlando, Florida 32837, "SERVER", 20th January 1998.

K. K. MODAK  
Asstt. Controller of Patents & Designs